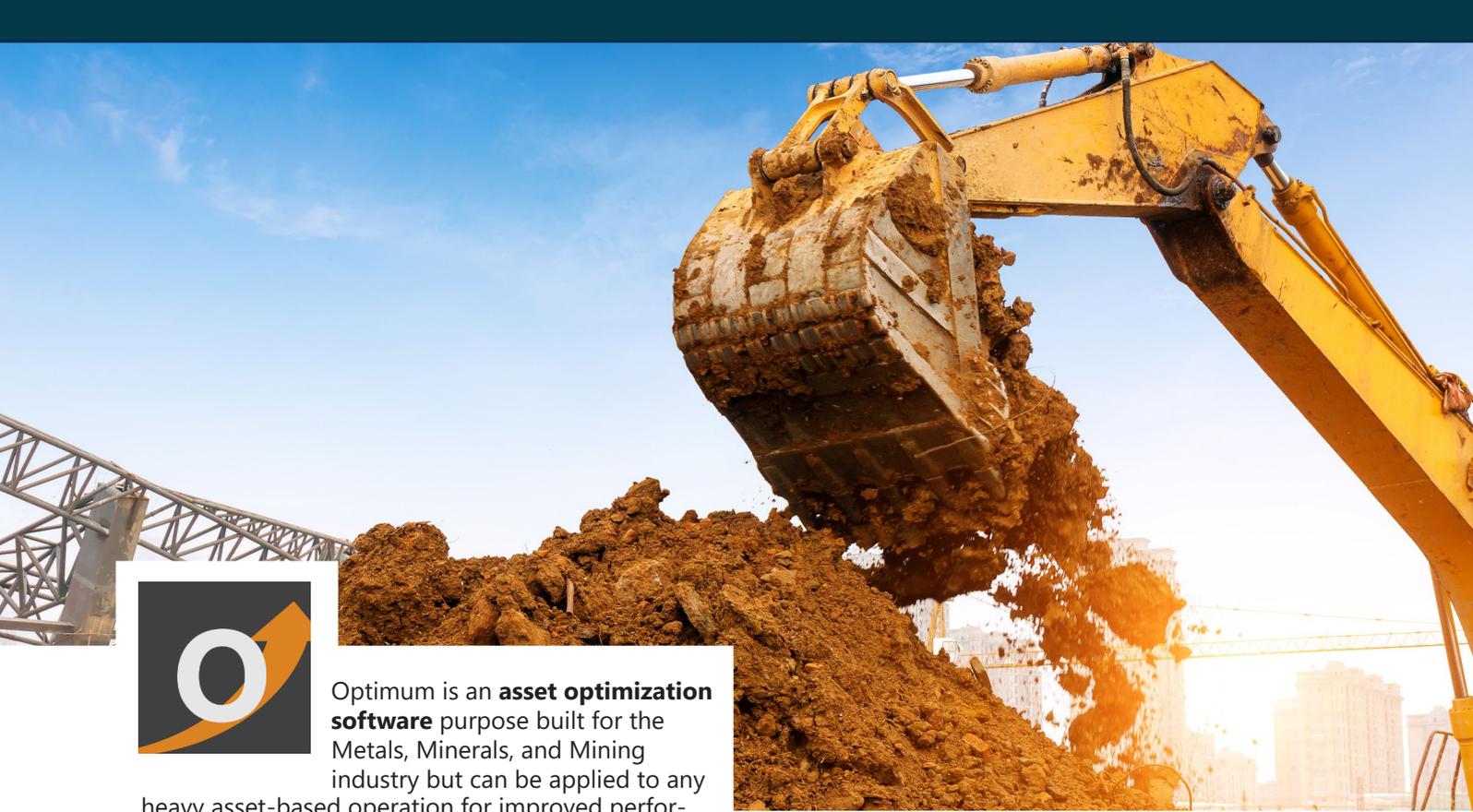


converging data | better information | more insight
faster improvement | digitization

Optimum

A new generation in asset optimization software





Optimum is an **asset optimization software** purpose built for the Metals, Minerals, and Mining industry but can be applied to any

heavy asset-based operation for improved performance. Optimum's focus is on integrating key operational data, collating, capturing, visualizing and disseminating information in a way that supports rapid, sustained improvement.

Overview

Optimum is one of the most advanced and innovative digital solutions in the mining minerals and metals industry today. It highlights opportunities for productivity and efficiency improvement, production improvements and drives operational costs down.

Opportunities for improvement are triggered, tracked and managed automatically within the seven module software platform allowing for improved visibility, accountability and faster improvement of the overall operation.

With Optimum, you have a fully integrated **Production OEE** module, a revolutionary new approach to Critical Process and Equipment Management in **CPEM**, an advanced **Downtime** Tracking module, a continuous improvement methodology in **TARP**, a **Data Portal** module capable of complex equations integration and storage, as well as advanced **Analytics** and **Reporting** functions across the entire asset.

Solutions and Benefits

The benefits of Optimum are revolutionary for the software market and hold invaluable possibilities for your business.

- Increased production output from your assets without major capital expenditure
- Uncover a clear understanding of productivity and efficiency improvement opportunities within defined work and help break down the organizational silos
- Identify when key operational cost drivers are not in control
- Identify threats to your license to operate by managing and monitoring critical perimeters coupled with an automated escalation process
- Understand your bottleneck and constraint in terms of its impact on business revenue at an equipment level
- Assign loss investigations automatically defined in production terms, and assigned based on business rules
- Remove the need for complex calculation in excel sheets, inconsistent and risky data storage, and hard to analysis productivity and efficiency data
- A wide selection of interactive dashboards, detailed trending and pivot table analysis for high impact data use
- Automated daily, weekly and monthly reports for all types of production, Improvement, metallurgical, asset health and compliance data

A fully integrated all-inclusive software platform that drives the shift toward becoming a high performing organization. Optimum captures data from across the asset and goes beyond typical software systems by implementing a fully integrated multi module platform needed to drive holistic improvement in today heavy operational environment.

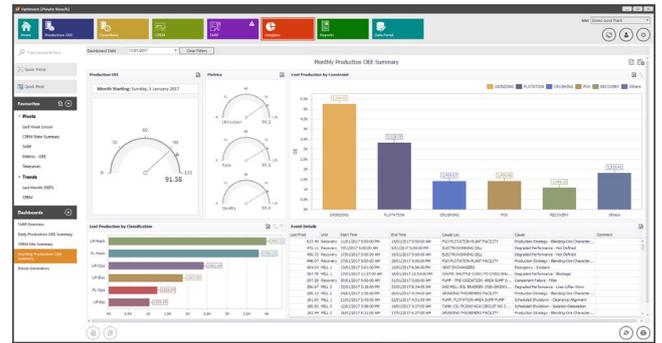
Production OEE | CPEM | Downtime | TARP | Analytics | Reports | Data Portal

Analytics



The Analytics module provides real-time visibility of key performance indicators on live dashboards, screens and mobile devices, integrating various types of key operational data such as

downtime, production, costs, quality and improvements to provide the best possible insight into performance. This module provides detailed information in pivot table form, allowing for in-depth analysis of issues and opportunities for improvement. Capability includes trending, multi variant comparison, zooming and advanced analytical capability on time series and metric data. Seamless integration across the Optimum platform and other external data inputs, means Analytics as your single point analysis and visualization solution.

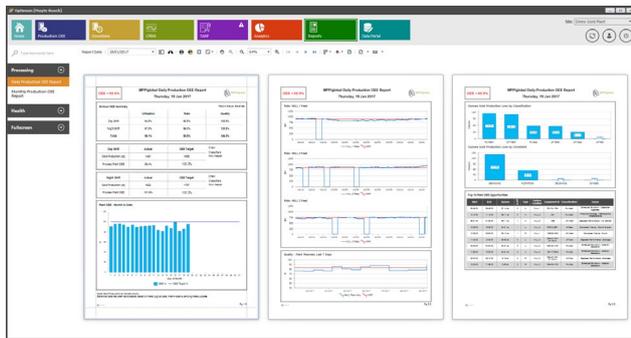


Reports

Real-time reporting is a pipe dream. The volume of data and velocity of change forces users across departments to make do with stale data or underperforming reports that are missing critical dimensions or attributes. To achieve the speed and accuracy of operational reporting required in today's business environment, you want to automate as much of this data collection and dissemination as possible, especially when data comes from multiple sources. For example, easily create PDFs and send emails automatically.



Management needs rapid insight into key operational metrics and Optimum's Reports module delivers precisely that.

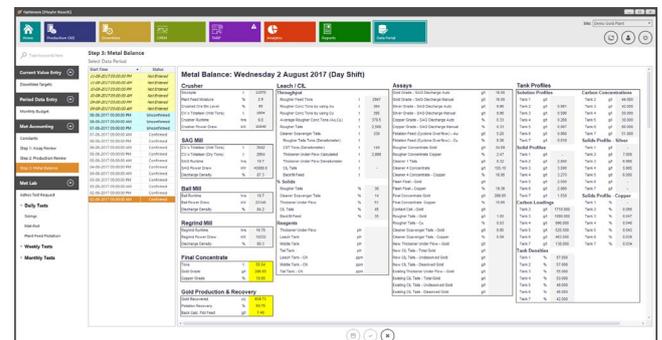


Data Portal



The Data Portal module is one of the most versatile within the Optimum platform, capable of replacing any excel driven metallurgical accounting function, through to handling any type of mining minerals and metals complex

reconciliation equation. Data Forms provide simple access for inputting, storing and managing targets, budgets, and limits across the full Optimum platform. External integration with CCLAS, LIMS, and many other production data sources, means Data Portal provides a single point database for important information storage. With seamless integration across the Optimum platform, you now have access to data with capability to view, modify, store, analyze, trend, report, investigate, confirm, and validate at an advanced level.



Optimum software has been created by the technical team at MPPGlobal. Optimum is implemented globally by our international services teams and by approved partners. Gain insight to propel your operation to its full potential with Optimum.

Visit mppglobal.com for more information.

